



FIRE CREW FIREFIGHTER TRAINING

Procedures Handbook 4200

FIREFIGHTER SAFETY

TOPIC: WILDLAND SAFETY UNIFORM

TIME FRAME: 1:00

LEVEL OF INSTRUCTION: Level II

BEHAVIORAL OBJECTIVE:

Condition: Given a written quiz

Behavior: The student will confirm a knowledge of the components and proper use of the wildland safety uniform

Standard: With a minimum 70% accuracy

MATERIALS NEEDED:

- Wildland Safety Uniform
- Video: "Your Personal Wildland Safety Equipment"
- Video: "Kelly York Story"
- Writing board with markers/erasers
- Appropriate audio visual equipment and screen
- Slides/overhead transparencies for this lesson
- Student Information Sheet 4204.1-1
- Topic Quiz

REFERENCES:

- CDF Fire Protection Training Handbook, 4300
- Wildland Firefighting, Clayton, Day, McFadden, 1987

PREPARATION:

Proper protective clothing is issued to each firefighter and its use is mandatory. Your personal safety and your value as a crew member depend on your utilization of this safety uniform.



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PRESENTATION

APPLICATION

NOTE: Hand out Student Information Sheet 4204.1-1, Uniform Inspection Checklist

Display graphic
4202.1-1, pages 1 and
2

I. TERMINOLOGY

- A. Wildland safety uniform checklist
 - 1. Safety helmet
 - 2. Chin strap
 - 3. Goggles
 - 4. Gloves
 - 5. Nomex shroud
 - 6. Nomex shirt
 - 7. Nomex pants
 - 8. Cotton underwear
 - 9. Lug-soled work boots with 8" high top
 - 10. Uniform pants

What other safety items need to be considered?

II. USE

- A. Proper fit for each individual



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B. Proper adjustment

1. Safety helmet

a) Adjust headband and head strap

- 1) It is the responsibility of the firefighter to ensure that his/her equipment is properly adjusted

2. Goggles

a) Pull rubber strap to secure but keep comfortable

b) Be sure lens is clean

- 1) Glasses are not a substitute for goggles

NOTE: Discuss problems which can occur with poorly fitting clothing

3. Fire resistant shroud

a) Fasten in front for fires and wear down, on back and outside of hard hat when in ready position

b) Do not roll up shroud inside between suspension system and helmet

- 1) This defeats the separation principle which provides for maximum cushioning of impact on shell

- 2) It also cuts down on ability to release heat from around the head

c) Bandanas will not be worn as a substitute for Nomex shrouds



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- C. Use full wildland safety uniform during active fire fighting operations
- D. Follow supervisor's directions regarding loosening of uniform during mop-up operations
 - 1. Supervisors are aware of potential heat-related injuries. Ask permission before unzipping safety clothing

III. CARE AND MAINTENANCE

- A. Replace worn-out or damaged clothing or items (i.e., goggle lenses, torn Nomex)

NOTE: Point out ways damage can occur

- B. Proper laundering of clothing
 - 1. As specified on manufacturer's care label
 - a) Wash separate from other types of clothing
 - b) No starch, bleach, or fabric softener
 - c) Machine wash
 - 1) Warm
 - d) Tumble dry
 - 1) Low
- C. Safety helmet
 - 1. Cleanliness
 - a) Headband
 - b) Straps
 - 2. No modifications



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<ul style="list-style-type: none"> 3. Do not clean plastic hat with solvents, use soap and water 4. Proper identification <ul style="list-style-type: none"> a) Color and/or striping identifies rank; decal for camp identification D. Goggles lens kept clean <ul style="list-style-type: none"> 1. Clean with water and tissue paper <ul style="list-style-type: none"> a) Avoid abrasives <p>IV. SAFETY</p> <ul style="list-style-type: none"> A. Clothing is FIRE RESISTANT not FIRE PROOF (requires safe working practices and common sense) B. Fire resistant clothing offers no insulation, so cotton and other undergarments become important in reducing exposure to radiant heat burns C. Safety uniform and equipment is only good if it is properly worn <ul style="list-style-type: none"> 1. Sleeves to be rolled down and fastened 2. Shroud immediately available 3. Shirt worn outside pants 4. Shirt buttoned 5. Appropriate use of gloves and goggles 	<p>Why is a cotton T-shirt required?</p> <p>Display graphic 4202.1-1, page 3</p>



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<ul style="list-style-type: none"> a) Gloves protect from: <ul style="list-style-type: none"> 1) Mechanical damage or trauma 2) Heat b) Gloves made of fire resistant leather and long nomex wrist gauntlet <p>6. Cotton T-shirts to be worn under nomex at all times</p> <p>7. Nomex pants must fit properly over bloused work pants</p> <p>8. Fire shelter, web belt, and canteen worn outside nomex shirt</p> <p>D. Physical fitness and training exercises while wearing safety uniform will help the body acclimate to the added body heat caused by fire resistant fabrics</p> <p>E. Because of the added body heat caused by these fabrics, it is important that potassium and body fluids be replaced</p>	
<p>V. STORAGE</p> <ul style="list-style-type: none"> A. Proper place and procedure for keeping wildland safety uniform <ul style="list-style-type: none"> 1. Store in fire engine, CCV, or appropriate storage area when not in use B. Responsibility for lost items <ul style="list-style-type: none"> 1. You are accountable for all items issued to you 	<p>Administer Topic Quiz</p>



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SUMMARY:

The proper care and use of your safety uniform is vital to your performance as a firefighter. Using all of your safety clothing is mandatory and non-compliance will not be tolerated.

EVALUATION:

The student will complete a written quiz at a time determined by the instructor.

ASSIGNMENT:

Review your notes and Student Information sheet 4204.1-1 in preparation for the upcoming quiz. Study for the next session.